Calendar Service

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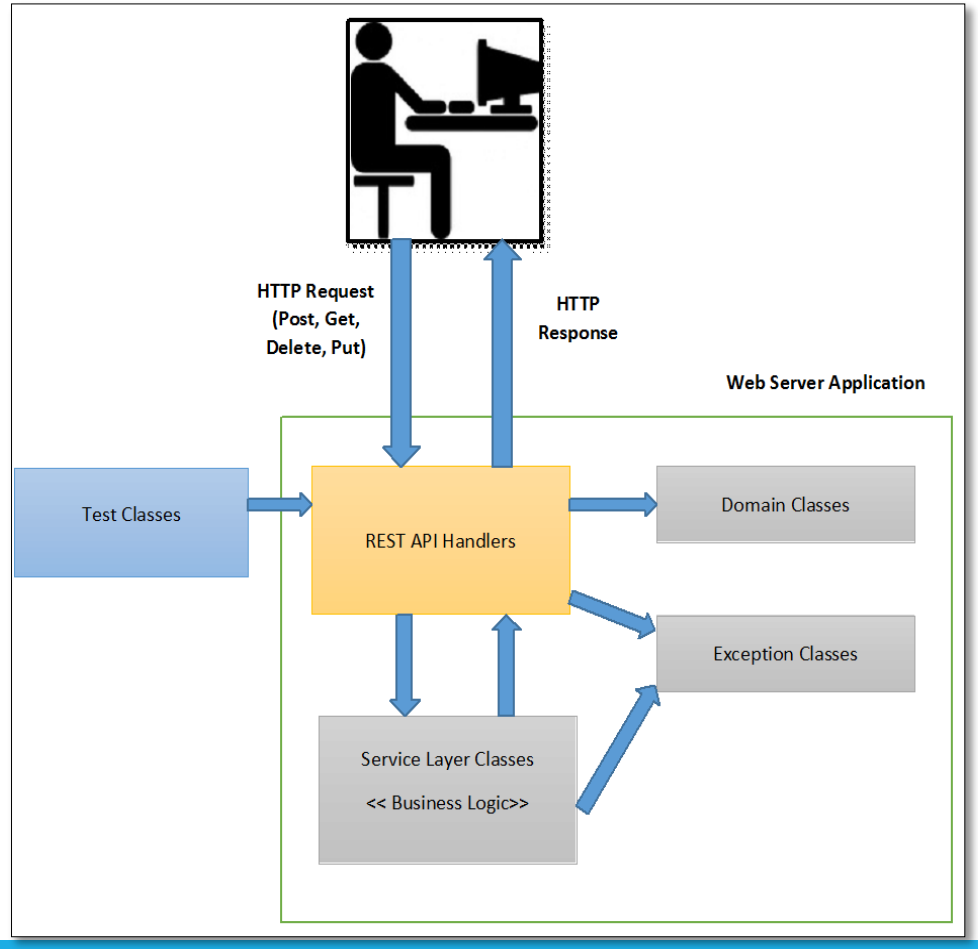
Tools & Technology

Terms	Technology
Client	Jersey Client
Web Service	REST API, Java
Testing Framework	Junit
Server	Tomcat 7.0
Project	Java Maven Project
Development Tool	Eclipse

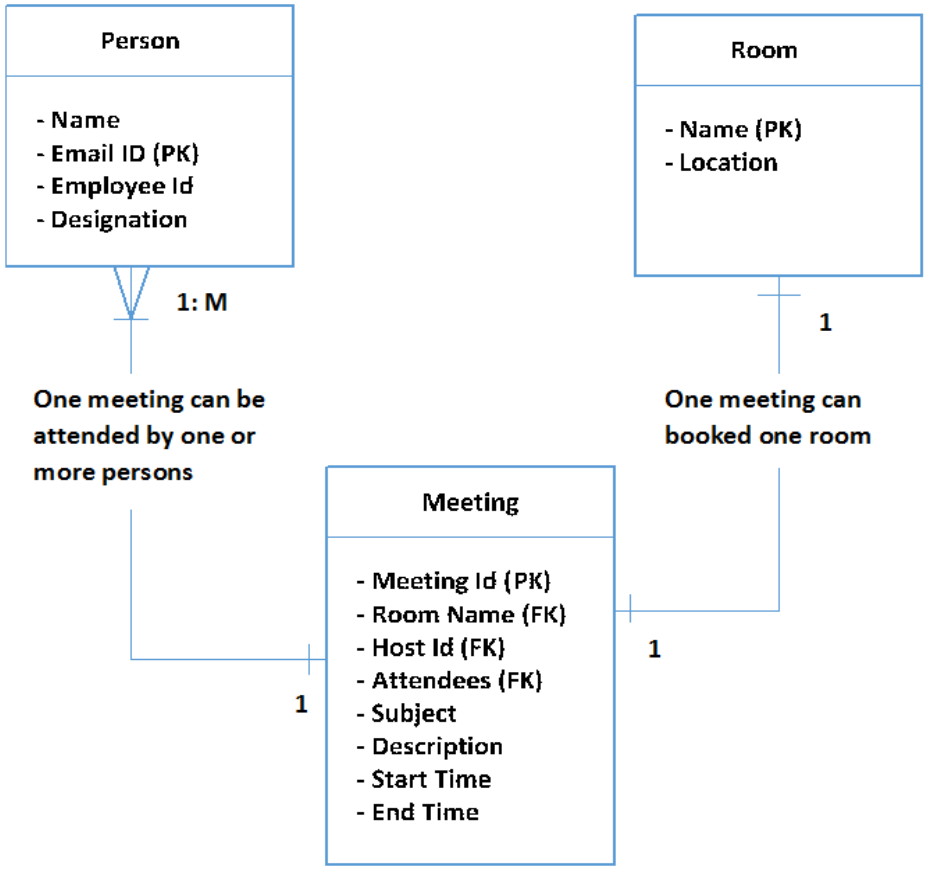
High Level System Architecture



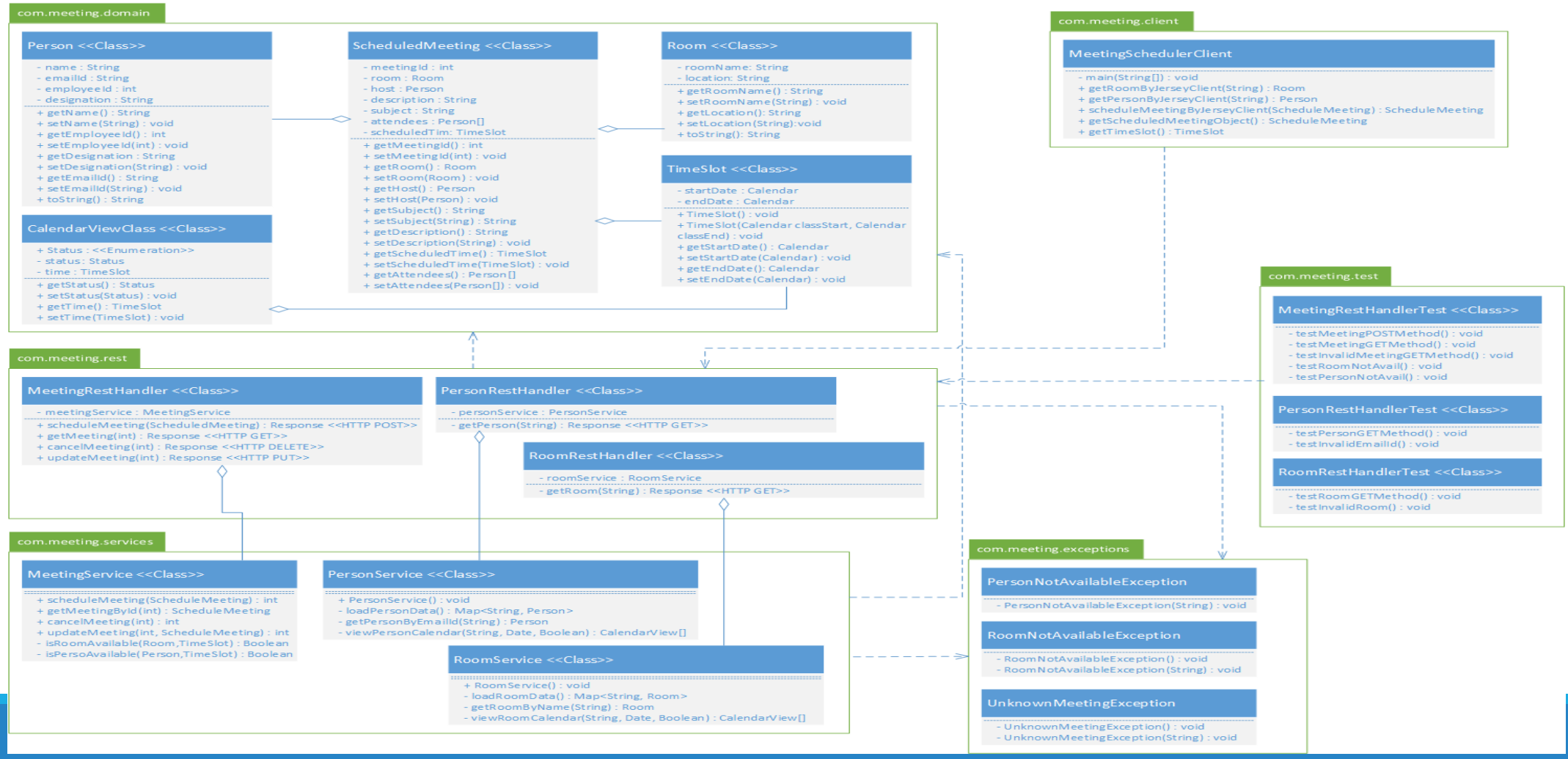
Functionality

- Schedule Meeting
  - Check for room availability for given time slot
  - Check for host/attendees availability for give time slot
- Get meeting by meeting id
- Cancel meeting
- Update meeting by changing room or add/remove attendees
- Get room details by name
- Get person details by email id
- View room calendar for given date (also for work hours)
- View person calendar for given date (also for work hours)

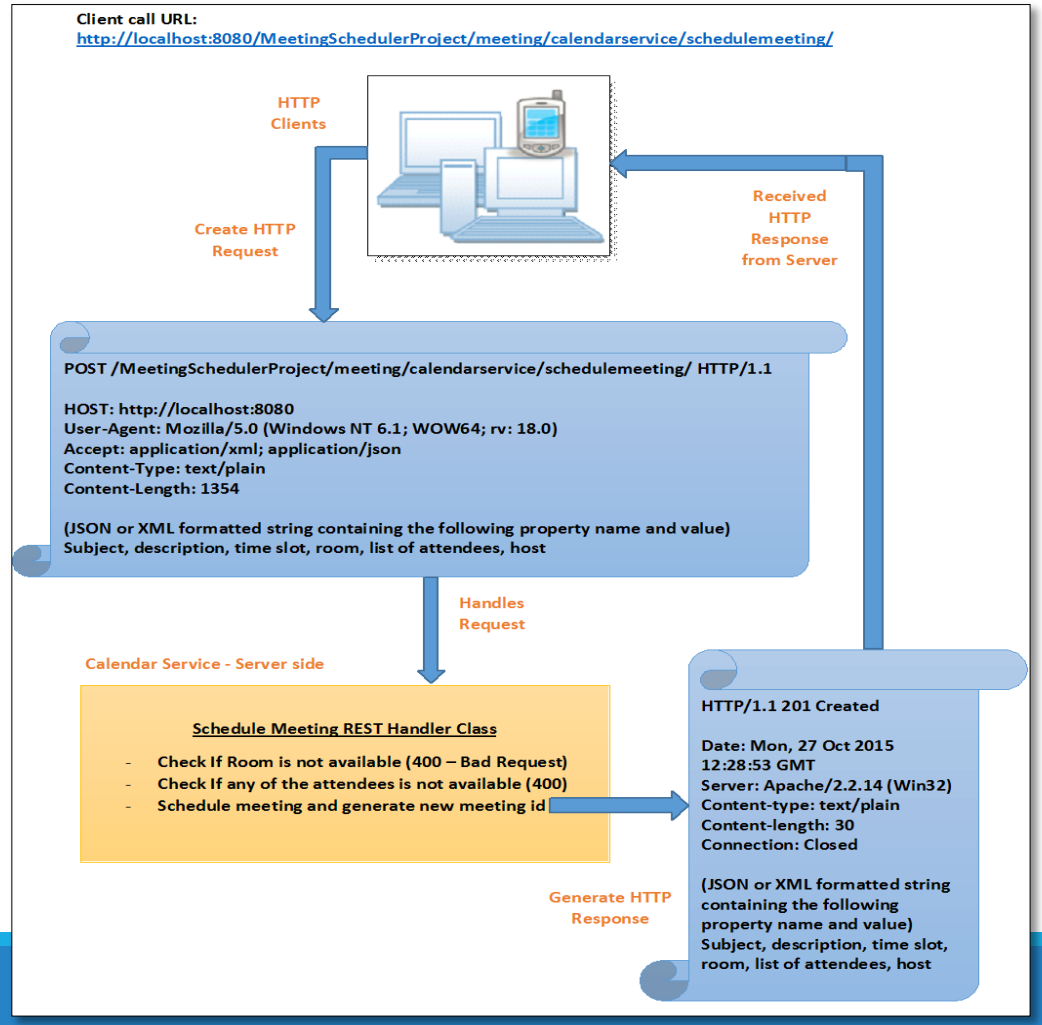
Entity Relationship Diagram



Class Diagram



Schedule Meeting - API



HTTP Status Codes used in Calendar Service

HTTP Method	Action	Status Code	Request Body
POST	Successfully created	201 – Created	Object (JSON/XML)
POST/PUT	Room is not available	400 – Bad Request	Error message
POST/PUT	Person is not available	400 – Bad Request	Error message
POST/PUT/DELETE /GET	Exception in Business Logic	500 – Internal Server Error	Exception message
GET/DELETE/PUT	Request Fulfilled	200 - OK	Requested entity
GET/PUT/DELETE	Requested entity not found	404 – Not found	Error Message

Thank You!